

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: G2-1802-569-6

Luminaire Tested: **203-SS-8LED4036-12-BK**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1802-569-6
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-6)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED4036-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 4000K 95 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.1 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

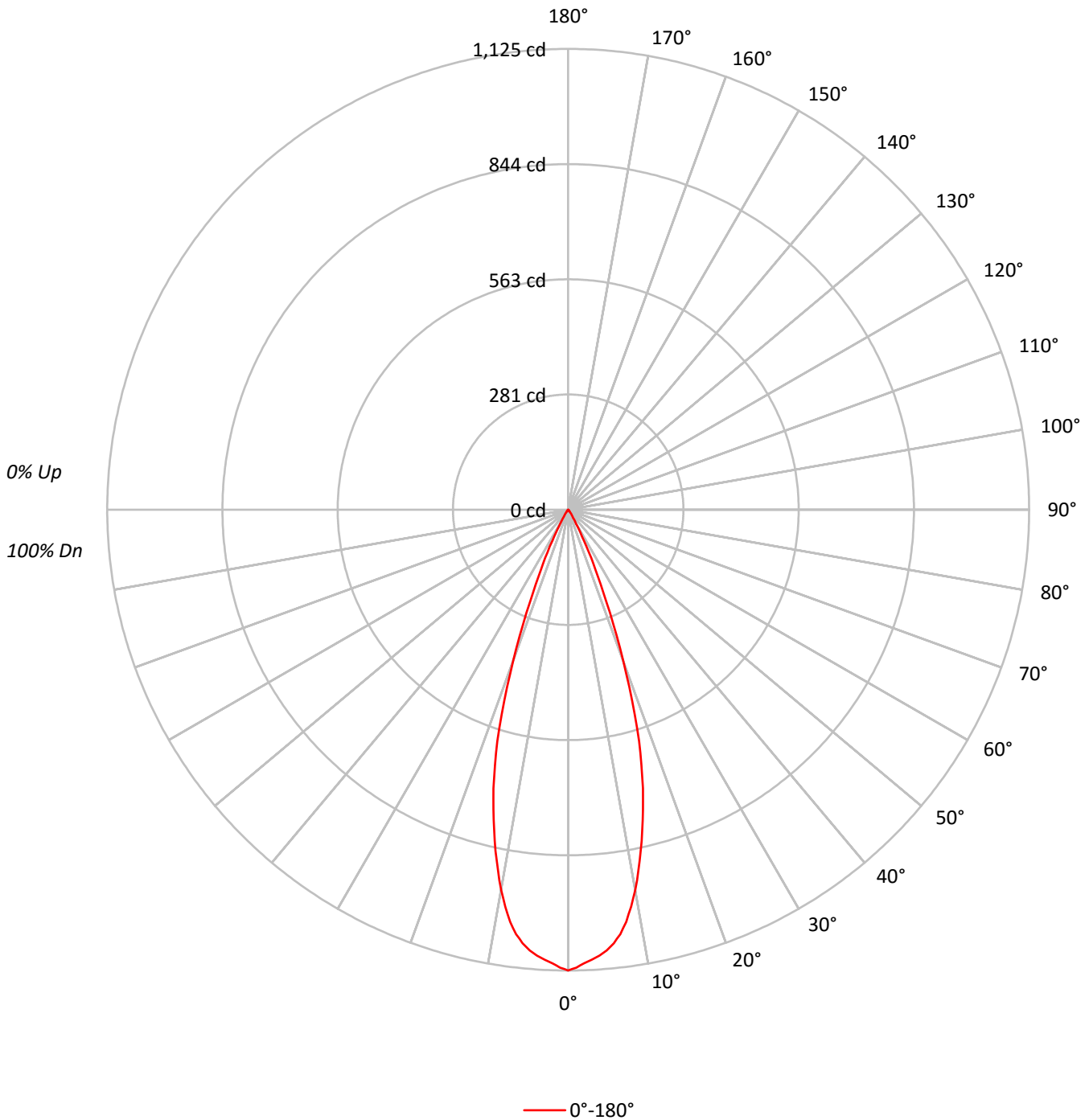
Input Watts (W): 7.8
Input Voltage (V): 12.0
Input Current (Ain): 0.682
Voltage Rise (V): NR
Power Factor: 0.9909
Total Harmonic Distortion (THDi): 27.3%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	104	103	102	101	101	100	99	98	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	98	100	98	96	96	97	96	94	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	94	96	94	92	92	94	92	91	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	89	93	91	88	88	92	89	87	87	86	86	86	86
5	100	94	90	87	99	93	89	87	92	88	86	86	90	87	85	85	89	86	84	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	83	87	84	82	82	86	84	82	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	80	85	82	79	79	84	81	79	79	78	78	78	78
8	91	85	80	77	90	84	80	77	83	79	77	77	82	79	77	77	81	78	76	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	74	80	76	74	74	79	76	74	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	74	72	72	78	74	72	72	77	74	72	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	555052
5°	534885
10°	472434
15°	359592
20°	205817
25°	78936
30°	18800
35°	6625
40°	2576
45°	1395
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	26.8
10°-20°	187.4	50.8
20°-30°	72.1	19.5
30°-40°	8.1	2.2
40°-50°	1.6	0.4
50°-60°	0.9	0.2
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	358.4	97.1
0°-40°	366.5	99.3
0°-60°	369.0	100.0
0°-90°	369.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1125	
5°	1080	99
15°	704	187
25°	145	72
35°	11	8
45°	2	2
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1125
1°	1118
2°	1108
3°	1100
4°	1091
5°	1080
6°	1064
7°	1044
8°	1016
9°	981
10°	943
11°	898
12°	852
13°	804
14°	754
15°	704
16°	649
17°	591
18°	526
19°	458
20°	392
21°	330
22°	272
23°	220
24°	179
25°	145
26°	116
27°	84
28°	63
29°	46
30°	33
32.5°	18
35°	11
37.5°	6
40°	4
42.5°	3
45°	2
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	0
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)